

CLAIMS

What is claimed is:

5 1. A mounting system for a light projector assembly of a projection television,
the mounting system comprising:

 first spherical means; and

 second spherical means;

10 wherein the first and second spherical means coact with one another to restrict
movement of the light projector assembly to a portion of a spherical path.

15 2. The mounting system according to claim 1, wherein the restricted movement
of the light projector assembly enables geometry errors in the image generated thereby to be
corrected to the desired geometry while maintaining the projector assembly's aim at a virtual
center of the screen.

 3. The mounting system according to claim 1, wherein the first spherical means
comprises a spherical wall.

20 4. The mounting system according to claim 3, wherein the spherical wall is part
of a projection television cabinet of the projection television.

 5. The mounting system according to claim 3, wherein the spherical wall
includes a spherical surface.

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6. The mounting system according to claim 3, wherein the second spherical means comprises a spherical bracket.

5 7. The mounting system according to claim 6, wherein the spherical wall includes a first spherical surface and the spherical bracket includes a second spherical surface which slidably engages the first spherical surface of the wall.

8. The mounting system according to claim 6, further comprising adjusting means for finely adjusting the location of the spherical bracket relative to the spherical wall.

10 9. The mounting system according to claim 8, wherein the adjusting means include eccentrics that coact with apertures and cam slots respectively formed in the spherical wall and bracket.

15 10. The mounting system according to claim 1, wherein the second spherical means comprises a spherical bracket.

11. The mounting system according to claim 10, wherein the spherical bracket includes a spherical surface.

20 12. The mounting system according to claim 1, further comprising adjusting means for finely adjusting the position of the second spherical means relative to the first spherical means.

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18. The mounting system according to claim 14, wherein the spherical wall includes a spherical surface and the spherical bracket includes a spherical surface which slidably engages the spherical surface of the wall.

5 19. The mounting system according to claim 14, further comprising adjusting means for finely adjusting the position of the spherical bracket relative to the spherical wall.

20. The mounting system according to claim 19, wherein the adjusting means include eccentrics that coact with apertures and cam slots respectively formed in the spherical wall and bracket.

21. The mounting system according to claim 14, wherein the spherical wall is a member of a projection television cabinet of the projection television.

22. The mounting system according to claim 14, wherein the spherical bracket includes means for attaching the light projector assembly to the mounting system.

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